Work Orde May 1.0, 2010 9:	er ID 58523 19:21 AM										Page
Item ID: Revision ID:	D205-634-041		Accept				iiiii s	Setup Si	tart		
	Replacement Skidtube 10/05/2010			Cust Item I Customer:	D:			S	top		
Approvals:	Process Plan:QC:	Date: / 6-5-/C	Tooling: SPC (Y/N):		te:		F				
Sequence ID/ Work Center ID	Operation Description		Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty		ject mber	Insp. Stamp
Draw Nbr	Revision Nbr										- Ctump
D2580	Rev D										
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110			0.00								

110

CNC Bend 1

BENDING MACHINE - SKIDTUBES

Memo

0.00

CNC Delta 100 Bender

1-Bend as per program D2580.C on CNC Bender and Folio FT009

2-Cut tubes as per Dwg. D2580

M 1015/18

	•									
W/O:			W	ORK ORDER CHAN	GES		- 		······································	***
DATE	STEP	PRO	OCEDURE CHA	NGE		Зу	Date	Qty	Approval Chief Eng?- Prod Mgr	Approval QC Inspector
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Part No		PAR #:								
	Re	solution:							Date:	
NCR:		•	WORK ORD	ER NON-CONFORM	IANCE (NCR)				
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Work Order ID 58523



Page 2

Insp.

May 10, 2016 9:19:21 AM Item ID: D205-634-041 Accept Setup Start Revision ID: **Item Name:** Replacement Skidtube Stop **Start Date:** 10/05/2010 Start Qty: 1.00 **Cust Item ID: Required Date: 28/05/2010** Req'd Qty: 1.00 **Customer:** Reference: Run Start Process Plan: **Approvals:** Date: Tooling: Date: Stop QC: ____ Date:_____ SPC (Y/N): Date: Sequence ID/ Operation Set Up/ Draw Draw Plan Accept Reject Reject **Work Center ID** Description **Run Hours** Number Rev. Code Qty Qty Number Stamp 120 0.00 4015118 Skidtubes 0.00 Memo Skidtubes 1- Deburr ends 2- C'sink holes as per dwg without cutting fluid 3- Prepare tube for welding, remove alodine as required. 4- Scribe batch number insied aft end of tube.

130

Memo

1 0 BE 10/05/19

Quality Control

QC5- Inspect part completeness to step on W/O

0.00

0.00

W/O:			WC	RK ORDER CHANG	ES					
DATE	STEP	PRO	OCEDURE CHAI	NGE	В	у	Date	Qty	Approval Chief Eng7 - Prod Mgr	Approval QC Inspector
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Part No		PAR #:								
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NCR:		•	WORK ORDE	ER NON-CONFORM	ANCE (I	NCR)				
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DAIL	JILF	Section A	Initial Chief Eng	Action Description Chief Eng		ign & Date	Section			QC Inspector
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Work Order ID 58523

May 10, 2010, 9:19:21 AM



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Item ID:

D205-634-041

Accept

Setup Start



Revision ID:

Item Name: Replacement Skidtube

Start Date:

10/05/2010

Start Qty: 1.00

Required Date: 28/05/2010

Reg'd Oty: 1.00



Cust Item ID: Customer:

Reference:

A	pproval	:
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Process Plan:

Date:

Tooling:

Date:

Date:

Run

Start

Stop



QC:

Date:

SPC (Y/N):

Stop

Sequence ID/ Work Center ID

140

Skidtubes Skidtubes

Operation Description

Set Up/ **Run Hours** Draw Number

Draw Rev.

Plan Code

Accept

Qty

Reject **Qty**

Reject Number

Insp. Stamp

Memo

0.00

0.00

1-Weld step D2576 as per Dwg. D2580 and OSL004 A/R□□□ Aluminum Rod

BE 00/05/19

2-Prep per QSI 005 and weld crossbolt spacers D2579 as per Dwg. D2580, QSI

For D2579 spacers, weld one side, pass 3/8" drill, weld other side, pass 3/8" drill

A/R□□□ Aluminum Rod

MULLER

3-Grind welds as per Dwg D2580 Grind flush ridge made from bending

4-Drill holes for wearplates using DT 8217 & DT8937 Open holes to 19/64", adjust stopper not to hit web.Deburr

5-Counterbore crossbolt spacers to 7/16" ID x 1.0" deep as per Dwg D2580.

Deburr holes

6-Drill pilot holes for aft cap using DT 8215Open holes to 0.208". Deburr

7-Drill pilot holes for Tow ring using DT8091, open to .640" and Deburr

M 10/5/20 M 10/5/12 M 10/5/12

Dart	Aeros	pace	Ltd
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W/O:			W	ORK ORDER CHANG	GES					
DATE	STEP	PRO	OCEDURE CHA	NGE		Ву	Date	Qty	Approval Chief Eng ^t / Prod Mgr	Approval QC Inspector
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Part No		PAR #:								
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NCR:		\	WORK ORD	ER NON-CONFORM	IANCE	(NCR)			
DATE	STEP	Description of NC	Corrective Action Section B Initial Action Description			0' 0	Verific	ation	Approval	Approval
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Work Order ID 58523

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Page 4

Item ID:

D205-634-041

Accept

Setup Start

Stop



Revision ID:

Item Name:

Replacement Skidtube

Start Date:

10/05/2010

Start Qty: 1.00

Required Date: 28/05/2010 Req'd Oty: 1.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date:

Date:

Tooling:

SPC (Y/N):

Date:

Date:

Run Start

Stop

Sequence ID/ **Work Center ID**

150

Quality Control

Operation Description

QC10- Inspect visual per QSI004- ground welds

Set Up/

Run Hours

Draw Number

Draw Plan Rev. Code

Accept Qty

Reject Qty

Reject Number

Insp. Stamp

Memo

0.00

160

Quality Control

QC5- Inspect part completeness to step on W/O

170

HandFinish

Pressure Wash per QSI005 4.3

Memo

0.00

Memo

0.00

Hand Finishing

Re-alodine tube as per QSI 005 section 4.1.2.1 do not acid etch and leave fwd cap out of solution.

1 Bf 10-5-25.

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W/O:			W	ORK ORDER CHANG	GES					
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Part No		PAR #:								
	R€	esolution:							Date: _	
NCR:			WORK ORD	DER NON-CONFORM	ANCE	(NCR)			
DATE	STEP	Description of NC	Initial	Corrective Action Section B Initial Action Description			Verific		Approval	Approval
		Section A	Chief Eng	Action Description Chief Eng		Sign & Date	Section	on C	Chief Eng	QC Inspector
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Work Order ID 58523

May 10, 2010,9:19:21 AM

Required Date: 28/05/2010



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Item ID:

D205-634-041

Accept

Setup Start

Stop



Revision ID:

Replacement Skidtube Item Name:

Start Date:

10/05/2010

Start Qty: 1.00

Req'd Oty: 1.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan: QC: ___

Date:

Tooling:

0.00

SPC (Y/N):

Date:

Draw

Rev.

Plan

Date:

Run Start

Reject

Oty

Stop

Reject

Number



Insp.

Stamp

Sequence ID/ **Work Center ID**

180

Powdercoat

Powder Coating

Operation Description

White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum

MILL 207

Date:_____

Memo

1:00pm START TIME: OVEN TEMPERATURE:

FINISH TIME:

Set Up/ **Run Hours**

Number

Draw

=) \$4 10/05/25

Code Qty

Accept

190

QC

Quality Control

QC3- Inspect Part Finish

Memo

0.00

0.00

W/O:			V	ORK ORDER CHANGE	ES					
DATE S	STEP	PRO	OCEDURE CH	IANGE	E	Зу	Date	Qty	Approval Chief Eng'/ Prod Mgr	Approval QC Inspector
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Part No	:	PAR #:	Fault Ca	tegory:	NCR:	Yes N	lo DQ	\ :	Date:	· · · · · · · · · · · · · · · · · · ·
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NCR:			WORK OR	DER NON-CONFORMA	NCE (NCR))		·	
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May 10, 2010 9:19:21 AM



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Item ID:

D205-634-041

Accept



Setup Start

Stop



Revision ID:

Item Name: Replacement Skidtube

Start Date:

Start Qty: 1.00 10/05/2010

Required Date: 28/05/2010

Req'd Qty: 1.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling: SPC (Y/N):

Date:

Date:

Run

Start



Stop



Sequence ID/ **Work Center ID**

200

HandFinish

Hand Finishing

Operation Description

Memo

Set Up/ **Run Hours**

0.00

0.00

Draw Number

Draw Rev.

Plan Code

Accept **Qty**

Reject **Qty**

Reject Insp. Number Stamp

1-Install inserts & wearplates & Gaskets as per Dwg. D2580. Use a drop of Sikaflex on insert holes before installing wearplates

A/R □□□ Sikaflex-291, □ //3 4 3.5 □□ Sikaflex expire date: /0/11

Date:_____

2-Coat D2594-3 O' rings with Petroleum Jelly and install on D2594-1 plugs as per Dwg D2580

3-Inspect for foreign object per QSI 024

4-Install 2855 Aft Cap as per Dwg D2580 and seal Fwd Step & Aft Cap with

Sikaflex. Clean excess adhesive

A/R □ □□ Sikaflex-291, □ <u>i/34/35</u>□□ Sikaflex expire date: <u>10/1/</u>

5-Wing Walk as per Dwg D2580 and QSI 005 4.4 Batch:

DR 10-6-2.

W/O: WORK ORDER CHANGES	
PROCEDURE CHANGE BY Date Qty Chi	oproval hief Eng / Approval QC Inspector
Part No: PAR #: Fault Category: NCR: Yes No DQA: [Date:
Resolution: Disposition: QA: N/C Closed: [Date:
NCR: WORK ORDER NON-CONFORMANCE (NCR)	
DATE STEP Description of NC Corrective Action Section B Verification Ap	pproval Approval
	hief Eng QC Inspector

Work Order ID 58523

May 10, 2010 9:19:21 AM

Required Date: 28/05/2010



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Item ID:

D205-634-041

Accept

Setup Start

Stop



Revision ID:

Item Name: Replacement Skidtube

Start Date:

10/05/2010

Start Otv: 1.00

Req'd Qty: 1.00



Date: _____

Cust Item ID: Customer:

Reference:

Approvals:

Process Plan: OC:

Date:

Tooling: SPC (Y/N):

0.00

Date:

Date:

Run

Start Stop



Sequence ID/ **Work Center ID**

210

OC

Quality Control

Operation Description

QC5- Inspect part completeness to step on W/O

Set Up/ **Run Hours**

Draw Number Draw Plan Rev. Code

Accept **Qty**

Reject Oty

Reject Insp. Number Stamp

Memo Inspect Aft Cap, Fwd Step and Wing Walk of work to Current Step Inspect for

Foreign objects per OSI 024

220

230

Packaging

Packaging

Memo

0.00

0.00

Packaging

Identify and pack for shipping as per PPPD205-634-041

QC21- Final Inspection - Work Order Release

0.00

Quality Control

Memo

0.00

W/O:			W	ORK ORDER CHAI	NGES	*****	-							
DATE	STEP	PRO	OCEDURE CHA	NGE		Ву	Date Q	ty Approval Chief Eng ² / Prod Mgr	Approval QC Inspector					
Part No	:	PAR #:	Fault Cate	gory:	NCF	R: Yes	No DQA :	Date:						
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NCR:			WORK ORD	ER NON-CONFOR	MANCE	(NCR)							
DATE	STEP	Description of NC	Initial	Corrective Action Section Initial Action Description			Verification		Approval					
		Section A	Chief Eng	Action Description Chief Eng	on	Sign & Date	Section C	Chief Eng	QC Inspector					
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Picklist Print

May 10, 2010 9:19:26 AM

Work Order ID: 58523

Parent Item:

D205-634-041

Parent Item Name:

Replacement Skidtube

Comments:

IPP Rev:N□02.08.28□FP was QC5 in Step 27; Added QC5 to Step 30□KJ

IPP Rev P 10.02.19 per PAR09-043 EC verified by:DD

IPP Rev. O 06.02.28 Added paperwork EC

IPP Rev:P 07-07-09 SS Wearplates & Gaskets JLM

57348

Start Date: 10/05/2010

Start Qty: 1.00

D2580-1 205 Skidtube bent detail	Manufactured	No		110	Each	9.0000	1	B58619	D 410/5/18
			Location	Loc	Oty	Loc Code			
			LG		9				
			57028		1				
			57347		1				
			57902		1				
			57938		2				
			58090		2				
			58112		2				
D2576-3	Manufactured	No		140	Each	110.0000	1		
Step (maching detail)									
			Location	Loc	<u>Oty</u>	Loc Code			
			LG		110				
			46661		62				BE 10/05/19
			52215		48				7.0 / / /
D2579	Manufactured	No		140	Each	193.0000	20		

Crossbolt Spacer

Location Loc Qty Loc Code LG 193 57052

13 180

20 BE 10/05/19

Required Date: 28/05/2010

Required Qty: 1.00

W/O:			WORK ORDER CH					IGES					
DATE	STEP	PRO	OCEDURE CHAI	NGE		Ву	Date	Qty	Approval Chief Eng [†] / Prod Mgr	Approval QC Inspector			
Part No		PAR #:	Fault Cate	jory:	P	ICR: Yes	No DQ	A:	Date:				
		solution:											
NCR:			WORK ORDE	R NON-CO	NFORMAN	CE (NCR	1)						
DATE	STEP	Description of NC	Initial	Corrective Action De		Section B Sign &			Approval	Approval			
		Section A	Chief Eng	Chief		Date	Secti	on C	Chief Eng	QC Inspector			
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Page 2

May 10, 2010 9:19:26 AM

May 10, 2010 9:19:26 AM

Work Order ID: 58523

Parent Item:

D205-634-041

Parent Item Name:

Replacement Skidtube

Comments:

IPP Rev:N□02.08.28□FP was QC5 in Step 27; Added QC5 to Step 30□KJ

IPP Rev P 10.02.19 per PAR09-043 EC verified by:DD

IPP Rev. O 06.02.28 Added paperwork

SS Wearplates & Gaskets

JLM

Start Date: 10/05/2010

Required Date: 28/05/2010

Start Qty: 1.00

Required Qty: 1.00

IPP Rev:P 07-07-09 D2855 Manufactured No 200 Each 105.0000 Cap Location Loc Oty Loc Code FP6 56613 2 ST026 103 50513 50770 29 51539 19 53791 54 AN3-5A 200 Purchased No 963.0000 Each Bolt Location Loc Oty Loc Code ST350 963 105057 963 AN960JD10L Purchased No 200 Each 4,297.000 Washer Location Loc Oty Loc Code ST348 4297 110985 4297 ALS7-1032-130 Purchased No 200 Each 17.0000 50 Insert Location Loc Qty Loc Code ST282 17 113238 17

Shop Packet Print

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W/O:			WC	RK ORDER CHANC	SES				
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Picklist Print

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Page 3

Work Order ID: 58523

Parent Item:

D205-634-041

Parent Item Name:

Replacement Skidtube

Comments:

IPP Rev:N□02.08.28□FP was QC5 in Step 27; Added QC5 to Step 30□KJ

IPP Rev. O 06.02.28 Added paperwork

IPP Rev:P 07-07-09

IPP Rev P 10.02.19 per PAR09-043 EC verified by:DD

SS Wearplates & Gaskets

Start Date: 10/05/2010

Required Date: 28/05/2010

Start Qty: 1.00

Required Qty: 1.00

AN3C4A

Purchased

No

200

Each

Loc Qty

1,939.000

50

BOLT

Location ST350

114103 114108 114416 114523

501 300 138 1000

Each

1939

0.0000

Loc Code

50

washer

NAS1149C0332R

D3566-13

Manufactured

Manufactured

Purchased

No

No

No

200

200

200

Each

33.0000

Gasket

D3566-5

FP

53461

Loc Qty 33

33

Each

Loc Code

21.0000

Gasket

Location

Location

Loc Qty 21

Loc Code

10-06-71

10-06-01

FP015

57526 <u>57682</u>

1

20

	· ·								
W/O:			WC	RK ORDER CHANG	ES				
DATE	STEP	PR	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Picklist Print

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Work Order ID: 58523

Parent Item:

D205-634-041

Parent Item Name:

Replacement Skidtube

Comments:

IPP Rev:N \Box 02.08.28 \Box FP was QC5 in Step 27; Added QC5 to Step 30 \Box KJ

IPP Rev P 10.02.19 per PAR09-043 EC verified by:DD

IPP Rev. O 06.02.28 Added paperwork

IPP Rev:P 07-07-09

SS Wearplates & Gaskets

Start Date: 10/05/2010

Required Date: 28/05/2010

Start Oty: 1.00

Required Oty: 1.00

D3566-1

Manufactured

Manufactured

No

No

200

Each

41.0000

2

Gasket

Location

FP015 57715

JLM

58182

41 20

21

Each

Each

Loc Qty

9.0000

Loc Code

10.06.01

WL 10.06.01

D3564-11

Wearshoe

B# 59021

D3564-13

Manufactured No Location FP019

Location

FP17

57957

56533

57684

57922

200

200

Loc Qty 9

Loc Qty

27

1

12

14

Loc Code

27.0000

Loc Code

10.06.01

Wearshoe

May 10, 2010 9:19:26 AM

Shop Packet Print

Page 4

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W/O:		WORK ORDER CHA			NGES				
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Part No	•	PAR #:	Fault Cate	gory:	_ NCR: Yes	No DQA:	Date: _		
_	Resolution: Disposition:								
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DATE	STEP	Description of NC Corrective Action			ion B	Verification	Approval	Approval	
		Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector	

Picklist Print

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Page 5

Work Order ID: 58523

Parent Item:

D205-634-041

Parent Item Name:

Replacement Skidtube

Comments:

IPP Rev:N□02.08.28□FP was QC5 in Step 27; Added QC5 to Step 30□KJ

IPP Rev P 10.02.19 per PAR09-043 EC verified by:DD

IPP Rev:P 07-07-09

IPP Rev. O 06.02.28 Added paperwork EC SS Wearplates & Gaskets

JLM



Start Date: 10/05/2010

Required Date: 28/05/2010

10.06.01

Start Qty: 1.00

Required Qty: 1.00

D3564-9

Manufactured

Manufactured

Manufactured

No

No

No

200

Each

22.0000

Wearshoe

Location FP 55334 FP019

Location

55546

58191

FP

57685 <u>579</u>58 Loc Qty 21

7 14

Each

7.0000

Loc Code

16

D3564-5

Wearshoe

15# 58709

D2594-3

O-Ring, 205 Skidtube

Location Loc Otv Loc Code FG 34806 FP19 57525 57729 200 Each 407.0000

Loc Oty

407

388

19

200

Loc Code

10.06.01

Dart Aerosp	ace Ltd
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W/O:			W	ORK ORDER CHANG	NGES				
DATE	STEP	PRO	OCEDURE CH	ANGE	Ву	Date Qt	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
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Picklist Print

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Work Order ID: 58523

Parent Item:

D205-634-041

Parent Item Name:

Replacement Skidtube

Comments:

IPP Rev:N \Box 02.08.28 \Box FP was QC5 in Step 27; Added QC5 to Step 30 \Box KJ

IPP Rev P 10.02.19 per PAR09-043 EC verified by:DD

IPP Rev. O 06.02.28 Added paperwork EC

IPP Rev:P 07-07-09 SS Wearplates & Gaskets JLM Start Date: 10/05/2010

Required Date: 28/05/2010

Start Qty: 1.00

Required Qty: 1.00

D2594-1

Manufactured

No

200

Each

382.0000

16

Plug, 205 Skidtube

Location	Loc Oty	Loc Code
FP	382	
42807	112	
55002	128	
57826	142	

	-									
W/O:			WO	ORK ORDER CHANG	GES		-			
DATE	STEP	PRO	OCEDURE CHA	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Resolution:				Fault Category: NCR: Yes No DQA: Date						
						QA: N/C Closed: Date:				
NCR:		\	WORK ORD	ER NON-CONFORM	IANCE	(NCR)				
DATE	STEP	Description of NC	Description of NC Section A Corrective Action Initial Action Descri		Section B tion Sign &			Verification Approv		Approval
		Section A	Chief Eng	Action Description Chief Eng		Date	Secti	on C	Chief Eng	QC Inspector
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	SIGN	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	· · · · · · · ·
CH	ECKED	APPROVED	DRAWING NO.	REV. D
			D2580 SHEET	1 OF 3
DA	TE		TITLE	SCALE
0	7.02.27		205 SKIDTUBE ASSEMBLY	NTS
. /	<u> </u>	96.09.16	NEW ISSUE	
LE	3	96.12.02	AS MANUFACTURED	
	;	98.08.26	REDRAWN, INCLUDED DEO 9094/909	97
		07.02.27	CHANGE TO SS WEARPLATES AND GASKETS, INCLUDE DEO 9124/9183	



QTY -041	QTY -045	Part Number	Description
Х		D2580-041	SKIDTUBE ASSEMBLY
	Х	D2580-045	SKIDTUBE ASSEMBLY
1	1	D2500-1-190	EXTRUSION
1	1	D2576-3	STEP
20	24	D2579	CROSS BOLT SPACER
16	16	D2594-1	PLUG
16	16	D2594-3	O-RING
1	1	D2596	205 WEB
1	1	D2855	AFT CAP
1	1	D3564-5	WEARSHOE
1	1	D3564-9	WEARSHOE
1	1	D3564-11	WEARSHOE
1	1	D3564-13	WEARSHOE
2	2	D3566-1	GASKET
1	11	D3566-5	GASKET
1	1	D3566-13	GASKET
50	50	ALS7-1032-130	INSERT
		or AKS7-1032-130	
		or AKS4-1032-130	
		or AELS-1032-130	
50	50	AN3C4A	BOLT
2	2	AN3-5A	BOLT
50	50	AN960C10L	WASHER
2	2	AN960JD10L	WASHER

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WORK OKDER
NO. 58323

pla-5-10

GENERAL NOTES:

- 1) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 2) ALL DIMENSIONS ARE IN INCHES
- 3) INSERT D2596 WEB TO LOCATION SHOWN OFF AFT END OF SKIDTUBE AND BOND WEB INTO OUTER TUBE WITH NON-STRUCTURAL SIKAFLEX-241 ADHESIVE PER DART QSI 015 BEFORE BENDING. ENSURE HOLES LINE-UP.
- 4) BEND AS A SMOOTH RADIUS STARTING WITH A MAXIMUM CENTERLINE RADIUS OF 60 AND ENDING WITH A MINIMUM RADIUS OF 30. A MAXIMUM REDUCTION OF 0.200 IN DIAMETER IS ALLOWABLE IN THE BENT PORTION OF THE TUBE.
- 5) USE DART DRILL TEMPLATE TD2577-205 TO LOCATE AND DRILL Ø0.297 HOLES FOR WEARSHOE INSERTS. INSTALL ALS7-1032-130 PER SECTION D-D (50 PLACES) AFTER FINISH. INSTALL AN3C4A BOLTS AND AN960C10L WASHERS WITH SIKAFLEX-241/-291.
- 6) WELDING TO BE DONE PER DART QSI 004.
- 7) FINISH:

SEE NOTES ON

PAGE 2 FOR D2580-041 AND

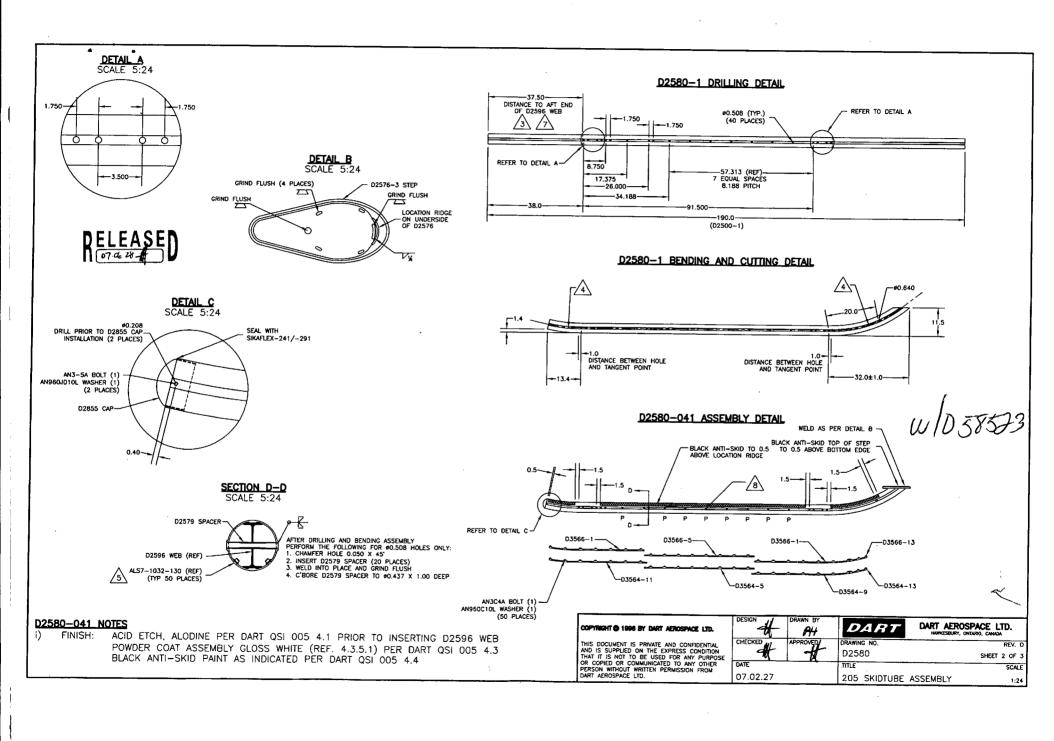
PAGE 3 FOR D2580-045

8) INSERT D2594-1 PLUG C/W D2594-3 O-RING IN HOLES MARKED 'P' (BOTH SIDES OF TUBE) AFTER FINISH (16 PLACES).

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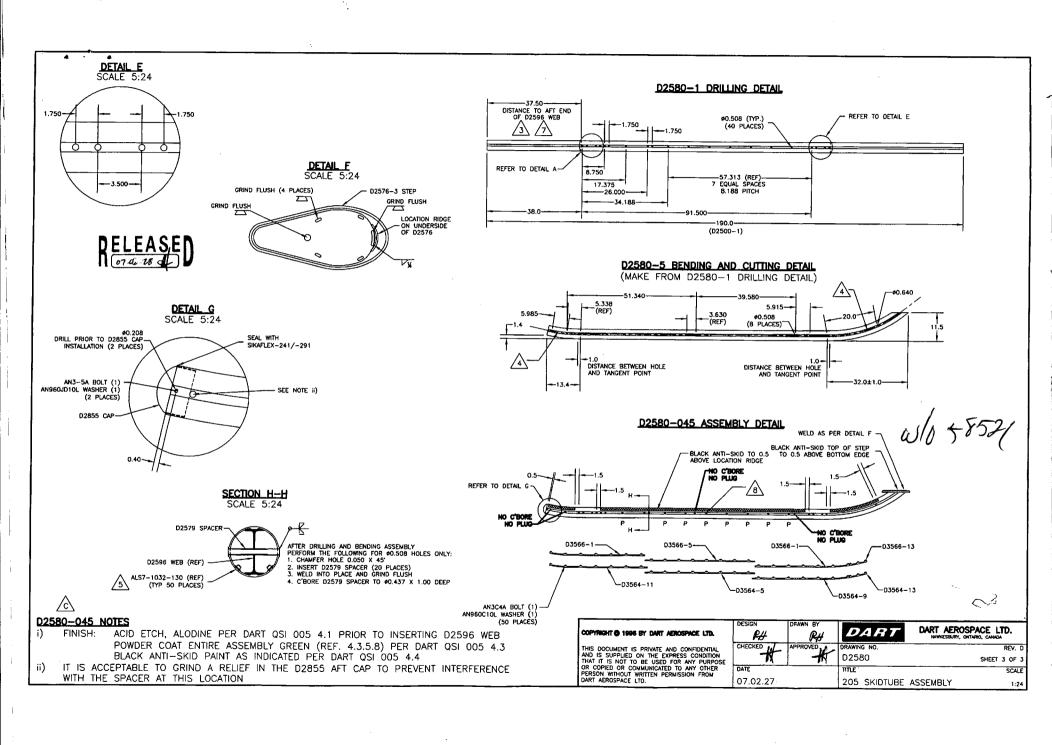
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W/O:		,	WORK ORDER CH					NGES					
DATE	STEP	PR	ROCEDURE CH	IANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
Part No	•	PAR #:	Fault Ca	tegory:	NCR: Yes No DQA: Date:								
*	R	esolution:	Disposit	ion:		_ QA: N/C C	losed:	1	Date: _				
NCR:	·		WORK OR	DER NON-	CONFORMA	ANCE (NC	R)						
DATE	STEP	Description of NC	Initial	Corrective Action Secondarial Action Description			Verific		Approval	Approval			
		Section A	Chief Eng	ACUO	Chief Eng	Sign Date		on C	Chief Eng	QC Inspector			
							• •						
										A 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			
										111			



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W/O:			WC	RK ORDER CHANG	ES			
DATE STEP		PROCEDURE CHANGE			Ву	Date	Qty Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No: PAR #:		Fault Category: NC		_ NCR: Yes	R: Yes No DQA: Date:			
Resolution:			Disposition	_ QA: N/C Cld	sed:	Date: _	Date:	
NCR:			WORK ORDE	ER NON-CONFORMA	NCE (NCR)		
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section Description Chief Eng	on B Sign & Date	Verificat Section		Approval QC Inspector



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W/O:			V	VORK ORDER CHANG	GES						
DATE	STEP	PRO	PROCEDURE CHANGE			у	Date	Qty	Approval Chief Eng / Prod Mgr	• Appraval QC Inspector	
										-	
						:					
Part No:						NCR: Yes No DQA: Date:					
Resolution:			Disposition: Q			A: N/C Closed: Date:				Marie Land	
NCR:		V	VORK OR	DER NON-CONFORM	ANCE (N	ICR)			***		
DATE	STEP	Description of NC Section A	Corrective Action Section B Initial Action Description					ation	Approval	Approval	
		Section A	Chief Eng	Chief Eng		Date	Section C	Chief Eng	QC Inspector		
				,							
								_			
						_					
									•		

NO. 232

AWS D17.1.2001 QUALIFICATION TEST RECORD

Name: Barclay	Elliott
Job number: 58508	
Part number: D205 63	H 041
Description: 205 tube	
Welding Process: Tig[] Mig	
Base materiel: Aluminia	
Current: AC O DC	
. ,	
TEST	REQUIREMENTS AND RESULTS
	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z
***	5 34 0 35 3
Visual:	pass[] fail[]
Penetration:	pass[4 fail[]
UNACCEPTABLE	
UNACCEITABLE	
Cracks:	pass[] fail[]
Undercut:	pass[fail[]
Pin holes:	pass[fail[]
Overlap (cold lap)	pass[] fail[]
Porosity (surface):	pass[// fail[]
Coloration:	pass[fail[]
Coloration:	pass[*] lan[]
\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc	<i>;</i>
Qualifier & of fine of	Date of Test Coupon 10.08.18
Qualified 1 1 1/1/1	Date of Lest Coupon 10.03.18
Welder Day Son Sta	Date of Test Coupon 10.05.18
THE COURT OF THE COURT	Date of rest coupon (5,00.7/)

The above named individual is qualified in accordance with AWS D17.1.2001 to weld

